

IN THE CLAIMS

The status of each claim in the present application is listed below.

Claims 1-32: (Canceled).

33. (New) A polymer dispersion having low viscosity, comprising:

- A) at least one dispersed polyolefin,
- B) at least one dispersing component,
- C) at least one carrier medium and
- D) from 0.3 to 15% by weight of at least one compound selected from the group consisting of water, ethylene glycol, 1,2-propylene glycol, 1,3-propylene glycol, methanol, ethanol, 2-chloroethanol, butanol, glycerol, ethanolamine, 1,2-ethanediamine, propanolamine, a halogenated hydrocarbon, a ketone and mixtures thereof.

34. (New) The polymer dispersion according to Claim 33, wherein D) comprises water.

35. (New) The polymer dispersion according to Claim 33, wherein D) comprises at least one of ethylene glycol, 1,2-propylene glycol, 1,3-propylene glycol and mixtures thereof.

36. (New) The polymer dispersion according to Claim 33, wherein D) comprises at least one of methanol, ethanol, 2-chloroethanol, butanol, glycerol and mixtures thereof.

37. (New) The polymer dispersion according to Claim 33, wherein D) comprises at least one of ethanolamine, 1,2-ethanediamine, propanolamine and mixtures thereof.

38. (New) The polymer dispersion according to Claim 33, wherein D) comprises the halogenated hydrocarbon.

39. (New) The polymer dispersion according to Claim 38, wherein the halogenated hydrocarbon is 1,2-dichloroethane.

40. (New) The polymer dispersion according to Claim 33, wherein D) comprises the ketone.

41. (New) The polymer dispersion according to Claim 40, wherein the ketone is selected from the group consisting of 1,1-dichloroacetone, acetone and mixtures thereof.

42. (New) The polymer dispersion according to Claim 33, wherein the component B) represents a copolymer which comprises one or more blocks A and one or more blocks X, the block A representing olefin copolymer sequences, hydrogenated polyisoprene sequences, hydrogenated copolymers of butadiene/isoprene or hydrogenated copolymers of butadiene/isoprene and styrene, and the block X representing polyacrylate-, polymethacrylate-, styrene-, α -methylstyrene or N-vinyl-heterocyclic sequences and/or sequences of mixtures of polyacrylate-, polymethacrylate-, styrene-, α -methylstyrene or N-vinyl-heterocycles.

43. (New) The polymer dispersion according to Claim 42, wherein the component B) is obtained by graft copolymerization of a monomer composition comprising (meth)acrylates and/or styrene compounds onto polyolefins according to component A).

44. (New) The polymer dispersion according to Claim 33, wherein said monomer composition comprises one or more (meth)acrylates of the formula (I)



wherein R denotes hydrogen or methyl and R¹ denotes hydrogen or a linear or branched alkyl radical having 1 to 40 carbon atoms,

and/or one or more (meth)acrylates of the formula (II)



wherein R denotes hydrogen or methyl and R² denotes an alkyl radical substituted by an OH group having 2 to 20 carbon atoms or denotes an alkoxyated radical of the formula (III)



wherein R³ and R⁴ independently represent hydrogen or methyl, R⁵ represents hydrogen or an alkyl radical having 1 to 40 carbon atoms and n represents an integer from 1 to 90,

and/or one or more (meth)acrylates of the formula (IV)



wherein R denotes hydrogen or methyl, X denotes oxygen or an amino group of the formula -NH- or -NR⁷-, in which R⁷ represents an alkyl radical having 1 to 40 carbon atoms, and R⁶ denotes a linear or branched alkyl radical substituted by at least one -NR⁸R⁹ group and having 2 to 20, carbon atoms, R⁸ and R⁹, independently of one another, representing hydrogen, an alkyl radical having from 1 to 20, or in which R⁸ and R⁹, including the nitrogen atom and optionally a further nitrogen or oxygen atom, form a 5- or 6-membered ring which is unsubstituted or substituted by C₁-C₆-alkyl.

45. (New) The polymer dispersion according to Claim 43, wherein said monomer composition comprises dispersing monomers .

46. (New) The polymer dispersion according to Claim 42, wherein the weight ratio of the blocks A to the blocks X is in the range from 20:1 to 1:20.

47. (New) The polymer dispersion according to Claim 33, wherein the component A) comprises one or more olefin copolymers, hydrogenated polyisoprene, hydrogenated copolymers of butadiene/isoprene or hydrogenated copolymers of butadiene/isoprene and styrene.

48. (New) The polymer dispersion according to Claim 33, wherein the component C) is a nonionic surfactant.

49. (New) The polymer dispersion according to Claim 48, wherein the nonionic surfactant comprises an ethoxylated alcohol.

50. (New) The polymer dispersion according to Claim 49, wherein the ethoxylated alcohol comprises from 2 to 8 ethoxy groups, the hydrophobic radical of the alcohol comprising from 4 to 22 carbon atoms.

51. (New) The polymer dispersion according to Claim 33, wherein the component C) comprises one or more esters.

52. (New) The polymer dispersion according to Claim 33, wherein the polymer dispersion comprises at least 20% by weight of the component A).

53. (New) The polymer dispersion according to Claim 33, wherein the polymer dispersion comprises up to 30% by weight of component B).

54. (New) The polymer dispersion according to Claim 33, wherein the polymer dispersion comprises 0.01-15% by weight of compounds according to component D).

55. (New) The polymer dispersion according to Claim 33, wherein the polymer dispersion comprises a mineral oil.

56. (New) A process for the preparation of said polymer dispersion according to Claim 33, wherein the component A) is dispersed in a solution of components B) with application of shear forces at a temperature in the range from 80 to 180°C.

57. (New) A lubricating oil formulation comprising the polymer dispersion according to Claim 33.

58. (New) The polymer dispersion according to Claim 33, wherein C) comprises a compound containing more than 8 carbon atoms per molecule.

59. (New) The polymer dispersion according to Claim 33, wherein C) comprises a mineral oil.